

Converting Colors

CIELCh(46, 13.360, 220.118)

Have a look what the booklet for
CIELCh(46, 13.360, 220.118)
contains.

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Color

CIELCh(46, 13.572, 218.762)

Conversions

Conversions Part 1

Format	Color
Hex	4F737B
RGB	79, 115, 123
RGB Percent	31%, 45%, 48%
CMY	0.6913, 0.5501, 0.5188
CMYK	0.36, 0.07, 0.00, 0.52
HSL	191°, 22%, 39%
HSV	191°, 36%, 48%
XYZ	12.8557, 15.2687, 20.9131
YIQ	105.1480, -24.0240, -5.1440

Conversions

Conversions Part 2

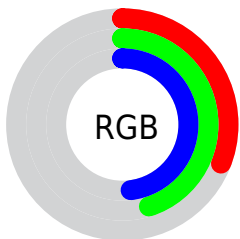
Format	Color
R_{YB}	79, 99, 123
Decimal	5206907
CIE _{Lab}	46.00, -10.58, -8.50
CIE _{LCh}	46, 13.572, 218.762
Yxy	15.2687, 0.2622, 0.3114
Android (android.graphics.Color)	4283396987 (0xFF4F737B)
YUV	105.1480, 8.8010, -22.9318
Hunter-Lab	39.0751, -9.6551, -4.3795

Details

The CIELCh color **46, 13.572, 218.762** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **40, 17.339, 37.529**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 13.488, 217.711**, and **26, 13.665, 217.293** is the 20% darker color. If you saturate the color by 10%, you get **45, 16.633, 219.564**, and if you desaturate by 10%, it is **47, 10.145, 218.182**.

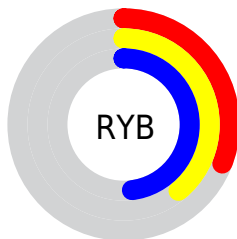
Distribution



Red (31%)

Green (45%)

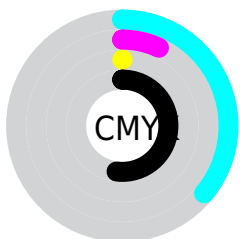
Blue (48%)



Red (31%)

Yellow (39%)

Blue (48%)

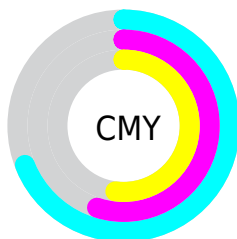


Cyan (36%)

Magenta (7%)

Yellow (0%)

Black (52%)



Cyan (69%)


Magenta (55%)

Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 13.572, 218.762 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 46, 13.572, 218.762 by changing the saturation by 10% instead.


 46, 13.572,
218.762


 46, 13.572,
218.762


 100, 13.572,
218.762


 36, 13.572,
218.762

 66, 13.572,
218.762


 26, 13.572,
218.762

 76, 13.572,
218.762

 16, 13.572,
218.762


 86, 13.572,
218.762

 6, 13.572, 218.762

 96, 13.572,
218.762

 0, 13.572, 218.762

 46, 13.572,

 46, 13.572,

218.762

218.762

■ 45, 16.633,
219.564

■ 47, 10.145,
218.182

■ 43, 19.270,
220.652

■ 49, 6.410, 217.800

■ 42, 21.438,
222.083

■ 51, 2.426, 217.637

■ 52, 1.755, 37.113

■ 41, 23.110,
223.924

■ 54, 6.087, 37.207

■ 40, 24.288,
226.244

■ 56, 10.533, 37.241

■ 57, 15.059, 37.312

■ 39, 25.056,
229.041

■ 59, 19.639, 37.416

■ 39, 25.362,
230.208

■ 61, 24.252, 37.548

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46, 13.572, 218.762



40, 17.339, 37.529

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46, 13.572, 218.762



46, 13.572, 268.762



46, 13.572, 38.762



46, 13.572, 88.762

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46, 13.572, 218.758



64, 5.613, 217.688



48, 28.029, 146.738



33, 3.790, 217.710



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 13.572, 218.758



58, 19.604, 219.402



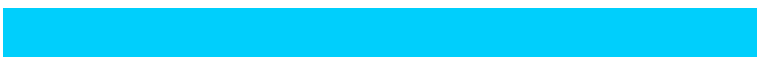
40, 18.446, 276.620



25, 2.313, 217.652



40, 25.696, 230.279



77, 43.350, 232.345

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40, 27.806, 332.074



49, 41.245, 332.605



46, 18.577, 86.682



24, 4.347, 330.399



28, 59.410, 336.720



57, 99.298, 337.272

Previews

White Background



This preview shows how the CIE LCh color 46, 13.572, 218.762 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 46, 13.572, 218.762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

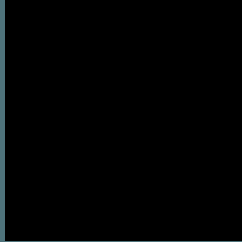
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 13.572, 218.762

Background



This preview shows how black text looks on a background with the CIELCh color 46, 13.572, 218.762.



This preview shows how white text looks on a background with the CIELCh color 46, 13.572, 218.762.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46, 13.572, 218.762

Protanopia

46, 5.950, 291.006

Deuteranopia

46, 11.590, 303.262



Tritanopia
46, 13.716, 221.247

Trichromacy



Original Color
46, 13.572, 218.762

Protanomaly
46, 7.636, 250.465

Deuteranomaly
46, 9.462, 270.315

Tritanomaly
46, 13.716, 221.247

Monochromacy



Original Color
46, 13.572, 218.762

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 5.604, 211.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 13.572, 218.762 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(79, 115, 123)` looks like.

```
.text, #text, p{  
    color:rgb(79, 115, 123)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(79, 115, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 115, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 13.572, 218.762 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(79, 115, 123) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(79, 115, 123) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(79, 115, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 115, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 115, 123);  
box-shadow:4px 4px 4px 4px rgb(79, 115,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 13.572, 218.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 115, 123) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(79, 115,  
123) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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